Turn up your viewing experience

with Pixel Plus

Experience the superior picture quality of this excellent Flat TV with the latest LCD technology and Pixel Plus. It's packed into a stunning design that will complement your interior.

Breathtaking natural pictures
- High-definition LCD WXGA display, 1366 x 768p
- HDTV Monitor for the highest quality display of HDTV signals
- Pixel Plus for better details, depth and clarity
- Progressive Scan for razor-sharp and flicker free images
- Active Control with Light Sensor optimizes picture quality

Superb sound reproduction
- Virtual Dolby Surround for a cinema-like audio experience

Slim, stylish design to complement your interior
- Matching stand with elegant design included

One touch convenience
- Smart Picture and Smart Sound to personalise your viewing.

Leading interface for digital quality audio/video
- HDMI for full digital High Definition connection

FIFA WORLD CUP GERMANY 2006 OFFICIAL PRODUCT

PHILIPS

Technical specifications

Picture/Display
- Aspect ratio: 16:9
- Brightness: 550 cd/m²
- Diagonal screen size: 42 inch / 107 cm
- Display screen type: LCD WXGA Active Matrix TFT
- Picture enhancement: Pixel Plus, Progressive Scan, Active Control + Light sensor, 3/2 - 2/2 motion pull down, 3D Combfilter, Contrast Plus, Digital Noise Reduction, Dynamic contrast, Jagged Line Suppression
- Screen enhancement: Anti-Reflection coated screen
- Panel resolution: 1366 x 768p
- Response time (typical): 8 ms
- Viewing angle: 176° (H) / 176° (V)
- Contrast ratio (typical): 700:1

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 67, 72, 75Hz
800 x 600	56, 60, 72, 75Hz
1024 x 768	60, 70, 75Hz
1280 x 1024	60Hz

- Video Formats

Resolution	Refresh rate
640 x 480i	1Fh
640 x 480p	2Fh
720 x 576i	1Fh
720 x 576p	2Fh
1280 x 720p	3Fh
1920 x 1080i	2Fh

Sound
- Sound System: Virtual Dolby Surround
- Output power (RMS): 2 x 15W
- Sound Enhancement: Dynamic Bass Enhancement
- Equalizer: 5-bands

Loudspeakers
- Built-in speakers: 2

Convenience
- Ease of Installation: Autostore, Plug & Play, Auto Programme Naming, Automatic Channel Install(ACI), Automatic Tuning System (ATS), Fine Tuning, Program Name, Sorting
- Ease of Use: Side Control, Smart Picture Control, Auto Volume Leveller (AVL), Program List, Smart Sound Control
- Remote control type: RCFE05SPS00
- Teletext: 10 page Smart Text
- Picture in Picture: Picture in graphics, Twin page text
- Remote Control: Amp, DVD, TV, Multi-functional
- Screen Format Adjustments: Auto Format, Subtitle and Heading Shift, 4:3, Subtitle Zoom, Super Zoom, Widescreen, Zoom 14:9, Zoom 16:9
- Clock: Sleep Timer

Tuner/Reception/Transmission
- Tuner bands: Hyperband, S-Channel, UHF, VHF
- TV system: NTSC, PAL, SECAM
- Video Playback: NTSC, PAL, SECAM
- Aerial Input: 75 ohm coaxial (IEC75)
- Number of Preset Channels: 100
- Tuner Display: PLL

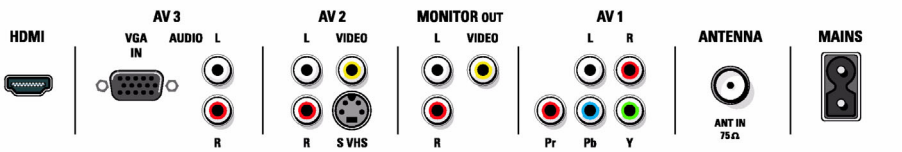
Connectivity
- AV 1: Audio L/R in
- AV 2: Audio L/R in, CVBS, S-Video Y/C
- AV 3: VGA PC-in, HDMI compatible
- AV 4: HDMI
- Front / Side connections: Audio L/R in, CVBS in, Headphone out, S-Video in

Power
- Power consumption: 246 W
- Standby power consumption: < 2 W
- Mains power: AC 220 - 240 V +/- 10%
- Ambient temperature: +5 /+ 40°C

Dimensions
- Weight incl. Packaging: 55 kg
- Set dimensions (W x H x D): 1240 x 680 x 104 mm
- Set weight: 42 kg
- Color cabinet: Bicolour Black and Silver Frost
- VESA wall mount compatible: 800,400 mm
- Product weight: 27 kg
- Stand dimensions (W x H x D): 820 x 40 x 280 mm

Accessories
- Included Accessories: Table top stand, Wall mounting bracket, DVI-I to VGA adapter, Power cord, Quick start guide, Registration card, Remote Control, RF cable, User Manual, Warranty certificate, VGA to YPbPr-Cinch cable
- Optional accessories: Floor stand

Rear connectors



Side connectors

Date of issue 2006-02-22

Version: 14.0

12 NC: 8670 000 22676
EAN: 87 10895 89279 7

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners.
© 2006 Koninklijke Philips Electronics N.V.
All Rights reserved.
www.philips.com

42" LCD HD ready widescreen flat TV Pixel Plus

42PF7420/98

Product highlights

LCD WXGA display, 1366 x 768p
This WXGA display with state-of-the-art LCD screen technology gives you widescreen HD resolution of 1366 x 768p pixels. It produces brilliant flicker-free progressive scan pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

HDTV Monitor
HDTV is the latest and best television signal available. It produces picture quality more than twice that of traditional analog broadcasts. In order to effectively maximize the HDTV signal, a television must incorporate advanced signal input connectivity

Pixel Plus
This set uses the power of the Pixel Plus processor to increase the number of lines and the number of pixels. The result is razor sharp pictures with incredible detail and dept, every time from any source.

Progressive Scan
Progressive Scan doubles the vertical resolution of the image resulting in a noticeably sharper picture. Instead of sending a field comprising the odd lines to the screen first, followed by the field with the even lines, both fields are written at one time. A full image is created instantaneously, using the maximum resolution. At such a speed, your eye perceives a sharper picture with no line structure.

Active Control + Light Sensor
Active Control is a unique and intelligent way of optimizing picture quality by measuring and analyzing the incoming signal to automatically adjust picture quality settings. Active Control with Light Sensor uses a sensor to adjust the picture brightness depending on the room light conditions.

Virtual Dolby Surround
Virtual Dolby Surround is a processing technology for enhancing surround sound effects. It which create the sensation of Dolby Pro Logic without the necessity of additional rear speakers. You become totally immersed in your television experience.

Bypacked tabletop stand
A table-top stand with matching design is packed with the set.

Smart Picture and Smart Sound
Philips preset modes for Smart Picture and Smart Sound provide you with direct access via a single key on the remote control. You can select optimized picture and sound settings for the various picture modes such as Eco, Natural, Rich, Multimedia and Personal, and sound modes such as Movie, Voice, Music and Personal. Do refer to the DFU for the various picture and sound smart modes.

HDMI input
HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analog signal, it delivers an unblemished image. The non-degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.